

October 02, 2015

MEMORANDUM FOR: Distribution Email

FROM: Christine Caruso Magee
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SUBJECT: Scheduled Operational Changes and Upgrades for
CPC, OPC, and WPC

The following accelerated items were implemented this past week:

RFC #449 – For the CPC main web page, added php logic to change the link target from the mid-month 30-day graphics to the revised 30-day graphics. Implemented on September 25 at 1200Z. (CPC)

RFC #450 – In response to the threat posed to the East Coast by Hurricane Joaquin, OPC's website was updated to include a Top News item which links to NHC and to weather.gov. Implemented on September 30 at 1915Z. (OPC)

RFC #451 - Modified the timeliness monitoring script to work for GFE grids and added cron entries. This was done to ensure OPC grids arrive at NDFD in time for inclusion in the mosaic grib files and on weather.gov. The missed deadlines were resulting in 6 hour old OPC forecasts being included in NDFD. Implemented on September 30 at 1950Z. (OPC)

The following will be implemented the week of October 5, 2015:

RFC #452 – Correct a coding error that sends select output to a log file for routine monitoring. This log file is used to track problems when a process fails. To be implemented on October 6 at 1400Z. (CPC)

RFC #453 – Add VGF generation of temperature and precipitation surface maps to the Auto-Forecast. To be implemented on October 6 at 1200Z. (CPC)

RFC #454 – Modify script 'rfc_pqpf_output_72hr.csh' to scp probabilistic QPF files to the http side of the external web server. The River Forecast Centers currently retrieve the files via ftp, but ftp from AWIPS is no longer a viable protocol. This change will allow direct retrieval from the River Forecast Centers through AWIPS. To be implemented on October 6 at 1230Z. (WPC)

RFC #455 – Modify script 'sendff' to begin copying excessive rainfall forecast shapefiles to an archive directory on the external web server. This supports an upcoming goal to display these forecasts over observed flash flood reports. To be implemented on October 6 at 1230Z. (WPC)

RFC #456 – Remove a cron entry which sends the daily CPC OPS log report to the SDM at 0001Z. The protocol is being changed from daily notification to only notifying the SDMs if/when a problem occurs. To be implemented on October 6 at 1700Z. (CPC)

RFC #457 – Modify the .cshrc configuration file and 'send_to_DATA.pl' script on IDP to point directly to directories on NCOSRV. Also, the 'send_prealanalysis_H100.csh' and 'clip_for_hpc.csh' scripts on NCOSRV are being modified to stop producing a VG file that is no longer used by WPC. To be implemented on October 7 at 1200Z. (OPC)

RFC #458 – Add a new region (CONUS) to the Vibrio Doubling Times web page. This region is based on NAM 12km forecasts. To be implemented on October 7 at 1400Z. (OPC)

The following CPC OPC WPC RFC(s) are in progress:

RFC #384 – The salinity fields in NOS's CBOFS model have drifted this summer by about 4 PSU, negatively impacting the Ecological Forecasts which use the CBOFS for Vibrio Vulnificus and Sea Nettle forecasts. A bias correction has been developed by the Ecological Forecast Pathogens group. This correction will be applied every 2 weeks through early fall or until the CBOFS model has been corrected. The Vibrio and Sea Nettles web pages will be restarted each time after the salinity correction has been implemented. Implementation began on July 22 at 2100Z and should be completed by October 27. (OPC)

RFC #440 – Initial implementation of GEMPAK-based NCEP model (GFS, GEFS, and GDAS) products for the international domains generated with collaboration of NCO. NCO makes the tar files available on the Compute Farm and CPC needs to untar them and transfer them to the web server. CPC will ensure the web page is labeled 'experimental' until NCO provides 24/7 support. Implementation began on September 21 at 0430Z; was to be completed by September 24; problems encountered during implementation are pushing the completion date back to October 15. (CPC)

RFC #446 - Point NMAP2 to the new SREF file names after the SREF upgrade is implemented. Was to be implemented on September 29 at 1200Z. Because the SREF upgrade has been delayed until a date TBD, this RFC will also be delayed until the SREF is implemented. (OPC)

RFC #447 – Modify websites

<http://www.cpc.ncep.noaa.gov/products/predictions/610day/interactive/index.php>
and

<http://www.cpc.ncep.noaa.gov/products/predictions/814day/interactive/index.php>

to migrate from Google Maps API to ESRI API. This aligns with NOAA and NWS GIS goals and Enterprise License Agreement. Was to be implemented on September 29 at 1600Z; moved to October 5 at 1600Z due to technical issues. (CPC)

The following NCO RFCs to be implemented the week of October 5, 2015 may affect CPC, OPC, and/or WPC:

RFC #1344 – NCOSRV Dataflow v2.7.3 – Modify the satellite SPIDER tables to pull the 8km polar mosaic image files. These files had been missing since the major satellite restructuring and OPC requested that they be resumed. To be implemented on October 6 at 1200Z.

RFC #1350 – IBM will replace the Aspera shared storage on WCOSS with GPFS WAN replication. The /sss directories will be made unavailable to users while IBM makes the updates and then restripes the data. Implementation to begin on October 6 at 1330Z and should be completed by 2200Z on October 9.

RFC #1359 – NCODF Dataflow v2.11.0 – Modify DBNet on NCODF to begin sending Himawari data to Alaska Region, OPCN, and HPCN, slowly, over a 2 week period, to ensure the sites can handle the volume of data. To be implemented beginning October 7 at 1200Z.

RFC #1360 – local Centers and NHC RFC form/spreadsheet v2.1.0 – Add a script which will run upon RFC form submission, which will email a copy of the RFC contents back to the submitter. This is being done so that the submitter receives a copy of his/her responses regardless of whether or not the “send me a copy of my responses” box was checked. To be implemented on October 7 at 1400Z.

The following NCO RFC(s) are in progress and may affect the local Centers:

RFC #1310 – NAM v3.1.11 - Fix a script error in the NAM nests’ surface field update job, in which the script is ignoring the water temperature file interpolated directly to the nests’ b-grid and instead uses the 12km parent grid. This is causing the water temperature in small lakes in the nest (those not resolved by the parent 12km domain) to be too cold. This was implemented on September

29 at 1200Z, but it was backed out after a failure of the NAM forecast occurred at 1800Z on September 29. EMC has since determined this change was unrelated to the NAM problem, so this change will be re-implemented on a date TBD.

RFC #1320 – Himawari v1.2 – Himawari was to be declared operational on IDP effective September 30 at 1200Z. This was approved at the Sep. 24 NCO CCB but was not approved by the NCEP Director at the Sep. 28 briefing, so it is on hold until a future date.

The following NCO RFC(s), which may affect the local Centers, was approved with an implementation date TBD:

RFC #1357 – RTOFS global v1.1.0 – Major upgrade of the Global RTOFS model. See the TIN at: <http://www.nws.noaa.gov/os/notification/tin15-36global-rtofsaaa.htm> for details. This was advertised as having an October 6 implementation date but this implementation is being postponed due to a delay in the Navy's HYCOM model upgrade. Once the HYCOM upgrade is implemented, the Global RTOFS will be scheduled for implementation. Notification will be given in advance so users may prepare for any changes which may affect them. This upgrade of the Global RTOFS was approved by the NCEP Director.

Please note that security-related RFCs are never listed in the RFC memo.

---- OPERATIONAL ANNOUNCEMENTS ----

1. The CPC/OPC/WPC Configuration Management documents are available at <https://sites.google.com/a/noaa.gov/nws-ncep-nco-cm/>.

Please review these documents if you have questions prior to submitting changes for CPC/OPC/WPC configurable items.